

DEPARTMENT of ENVIRONMENTAL SERVICES
Water Division - Watershed Management Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake: CASWELL POND	Lake Area (ha):	5.22
Town: LITTLETON	Maximum depth (m):	---
County: Grafton	Mean depth (m):	---
River Basin: Connecticut	Volume (m ³):	---
Latitude: 44°19'01" N	Relative depth:	---
Longitude: 71°54'38" W	Shore configuration:	---
Elevation (ft): 1095	Areal water load (m/yr):	---
Shore length (m): ---	Flushing rate (yr ⁻¹):	---
Watershed area (ha): ---	P retention coeff.:	---
% watershed ponded: ---	Lake type:	natural

BIOLOGICAL:

7 July 1999

DOM. PHYTOPLANKTON (% TOTAL)	#1	
	#2	
	#3	
PHYTOPLANKTON ABUNDANCE (units/mL)		
CHLOROPHYLL-A (µg/L)		
DOM. ZOOPLANKTON (% TOTAL)	#1	
	#2	
	#3	
ROTIFERS/LITER		
MICROCRUSTACEA/LITER		
ZOOPLANKTON ABUNDANCE (#/L)		
VASCULAR PLANT ABUNDANCE		
SECCHI DISK TRANSPARENCY (m)		
BOTTOM DISSOLVED OXYGEN (mg/L)		
BACTERIA (E. coli, #/100 ml)	#1	
	#2	
	#3	

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):
Hypolimnion volume (m³):
Anoxic volume (m³):

CHEMICAL:

Lake: CASWELL POND

Town: LITTLETON

	7 July 1999				
DEPTH (m)					
pH (units)					
A.N.C. (Alkalinity)					
NITRATE NITROGEN					
TOTAL KJELDAHL NITROGEN					
TOTAL PHOSPHORUS					
CONDUCTIVITY (μ mhos/cm)					
APPARENT COLOR (cpu)					
MAGNESIUM					
CALCIUM					
SODIUM					
POTASSIUM					
CHLORIDE					
SULFATE					
TN : TP					
CALCITE SATURATION INDEX					

All results in mg/L unless indicated otherwise

TROPHIC CLASSIFICATION: 1999

D.O. S.D. PLANT CHL TOTAL CLASS

--	--	--	--	--	--

COMMENTS:

1. Caswell Pond was visited in 1999 and was determined to be more a wetland than a pond, and therefore was not sampled. The waterbody is shallow, weedy and filled with deadwood, stumps and grassy hummocks. There are no roads to the pond and access would be by foot over private property.